

CDSA

Comprehensive  
Digestive Stool  
Analysissample type: **STOOL**

The **Comprehensive Digestive Stool Analysis (CDSA)** is Genova's original non-invasive evaluation of gastrointestinal function. This assay helps pinpoint imbalances, provides clues about current symptoms, and warns of potential problems should imbalances progress.

Digestive complaints are among the most common reasons that individuals seek medical care.

**GI Indications for Testing:**

- Indigestion
- Constipation
- Diarrhoea
- Gas and Bloating
- Infection
- Dysbiosis
- Abdominal pain
- Irritable Bowel Syndrome (IBS)

Recent evidence confirms that GI abnormalities may be associated with many conditions **outside of the GI tract.**

**Extra-intestinal Indications for Testing:**

- Arthritis
- Autoimmune disease
- Chronic Fatigue
- Fibromyalgia
- Antibiotic use
- Skin problems
- Osteoporosis
- Diabetes

The **CDSA** is comprised of the following clinically useful panels:

- **Digestion Markers:** An indirect evaluation of digestive function, providing insight into adequate digestive enzyme production and maldigestion. Markers include Chymotrypsin, Putrefactive Short Chain Fatty Acids (SCFAs), Meat Fibers and Vegetable Fibers.
- **Absorption Markers:** Elevated levels of the listed fatty acids may indicate maldigestion, malabsorption, altered transit time, and small bowel bacterial overgrowth. Markers include Long Chain Fatty Acids, Phospholipids, Cholesterol, Triglycerides and Total Faecal Fat.
- **Metabolic Markers:** These markers identify imbalances that are associated with increased toxic burden, small bowel bacterial overgrowth or severe inflammation. Abnormal levels are associated primarily with intestinal conditions, including potential risk for colorectal cancer. Markers include Beneficial SCFAs, n-Butyrate, Beta-Glucuronidase, pH, Fecal Lactoferrin, Macroscopic exam, and Occult blood.
- **Microbiology Markers:** Provides quantitative measures of the beneficial flora Lactobacillus and Bifidobacterium as well as additional aerobic flora as they present in culture. These include strict pathogenic bacteria and potentially pathogenic bacteria and yeast.
- **Parasitology:** (If ordered) - (EIA and microscopic evaluation) This evaluation demonstrates the highest documented recovery rates available (22% positivity rate). It quantifies all ova and parasites identified. Microscopic evaluation for yeast and blood cells is included.

**• Analytes:**

Triglycerides  
chymo-trypsin  
Putrefactive SCFAs  
meat and  
vegetable fibers  
long chain fatty acids  
cholesterol  
total fecal fat  
total short chain fatty acids  
n-butyrate  
short chain fatty acid distribution  
beta glucuronidase  
pH  
bacterial and yeast cultures  
sensitivities as appropriate  
fecal lactoferrin  
macroscopic analysis  
Parasitology (if ordered)

**• Specimen Requirements:**

5cc stool in each vial– Formalin  
and Cary/Blair

**• Before Taking this Test:**

- Avoid antimicrobials, laxatives,  
and anti-diarrheals (for 3 days)  
- Avoid or reduce anti-inflammato-  
ries, digestive enzymes, and most  
pain relievers (for 2 days)  
- See instructions inside test kit for  
more details

**• Turn-Around Time:**

14 Days



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